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Patent 7,045,890

PATENT

IN UNITED STATES PATENT AND TRADEMARK OFFICE

Patent No.: 7,045,890 Docket No: 884.A34US1
Issue Date: May 16, 2006 Patentee: Hong Xie et al.
Customer No.: 21186 Confirmation No.: 2764
Title HEAT SPREADER AND STIFFENER HAVING A STIFFENER EXTENSION (As Amended)

REQUEST FOR CERTIFICATE OF CORRECTION

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450
ATTN: CERTIFICATE OF CORRECTION BRANCH

It is requested that a Certificate of Correction be issued correcting printing errors appearing in the above-identified United States patent. Two copies of the text of the Certificate in the suggested form are enclosed.

Pursuant to 1.20(a), enclosed please find a check in the amount of \$100.00.

Issuance of the Certificate of Correction would neither expand nor contract the scope of the claims as properly allowed, and re-examination is not required.

The Examiner is authorized to charge any additional fees or credit overpayment to Deposit Account No.19-0743.

Respectfully Submitted

HONG XIE ET AL.

By their Representatives,

SCHWEGMAN, LUNDBERG, WOESSNER & KLUTH, P.A.
P.O. Box 2938
Minneapolis, MN 55402
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Date:

July 06, 2006

By:

Ann M. McCrackin

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Reg. No: 42,858

AMM1:sj

07/11/2006 TBESHAH2 00000073 7045890

CERTIFICATE UNDER 37 CFR § 1.8: The undersigned hereby certifies that this correspondence is being deposited with the United States Postal Service with sufficient postage as first class mail, in an envelope addressed to: Commissioner for Patents, P.O. Box 1450 Alexandria, VA 22313-1450, on this 7 day of July 2006

Name

Sri P. Thaw

Signature

Sri P. Thaw

Certificate
JUL 12 2006
of Correction

JUL 12 2006



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant: Hong Xie et al.

Examiner: Williams, Alexander

Patent No.: 7,045,890

Group Art Unit: 2826

Issue Date: May 16, 2006

Docket No: 884.A34US1

Title: HEAT SPREADER AND STIFFENER HAVING A STIFFENER EXTENSION (As Amended)

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We are transmitting herewith the attached:

- ☒ A check in the amount of \$100.00 to cover the Certificate of Correction fee.
- ☒ Request for Certificate of Correction.
- ☒ Certificate of Correction Form - PTO-1050 (in duplicate)
- ☒ A return postcard.

Please charge any additional fees or credit overpayment to Deposit Account No. 19-0743.

SCHWEGMAN, LUNDBERG, WOESSNER & KLUTH, P.A.

Customer No: 21186

By: Ann M. McCrackin

Name: Ann M. McCrackin

Reg. No.42,858

AMM1:CMG:sj

CERTIFICATE UNDER 37 CFR 1.8: The undersigned hereby certifies that this correspondence is being deposited with the United States Postal Service with sufficient postage as first class mail, in an envelope addressed to: Commissioner of Patents and Trademarks, P.O. Box 1450, Alexandria VA 22313-1450, on this 7 day of July 2006.

Sri P. Hao

Name

Sri P. Hao

Signature

JUL 12 2006

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UNITED STATES PATENT AND TRADEMARK OFFICE CERTIFICATE OF CORRECTION

PATENT NO : 7,045,890

Page (2) of 2

DATED : May 16, 2006

INVENTOR(S) : Xie et al.

It is certified that error appears in the above-identified patent and that said Letters Patent is hereby corrected as shown below:

In column 11, line 24, in Claim 16, delete "board;" and insert - - board (IC-PCB); - -, therefor.

In column 11, line 40, in Claim 18, delete "grid-array" and insert - - grid array - -, therefor.

In column 11, line 51, in Claim 20, after "component" delete "(DSC)".

In column 12, line 35, in Claim 33, delete "IC" and insert - - integrated circuit - -, therefor.

In column 12, line 46, in Claim 35, delete "IC" and insert - - integrated circuit - -, therefor.

In column 12, line 49, in Claim 36, delete "IC" and insert - - integrated circuit - -, therefor.

In column 13, line 25, in Claim 47, delete "claims 44," and insert - - claim 44, - -, therefor.

In column 13, line 49, in Claim 52, before "A carrier" delete "Withdrawn)".

In column 14, line 1, in Claim 55, delete "claims 1," and insert - - claim 1, - -, therefor.

In column 14, line 18, in Claim 60, delete "coplanar" and insert - - co-planar - -, therefor.

In column 14, line 61, in Claim 66, delete "mer" and insert - - stiffener portions form four corner - -, therefor.

MAILING ADDRESS OF SENDER:

SCHWEGMAN, LUNDBERG, WOESSNER, & KLUTH, P.A.
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Atty Docket No: 884.A34US1

PATENT NO. 7,045,890

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PATENT NO : 7,045,890

Page (1) of 2

DATED : May 16, 2006

INVENTOR(S) : Xie et al.

It is certified that error appears in the above-identified patent and that said Letters Patent is hereby corrected as shown below:

On the face page, in field (56), under "U.S. Patent Documents", in column 2, line 1, delete "361/758" and insert - - 361/758 / 257/712 - -, therefor.

On the face page, in field (56), under "U.S. Patent Documents", in column 2, line 4, delete "361/704" and insert - - 361/704 / 361/705 - -, therefor.

On the face page, in field (56), under "U.S. Patent Documents", in column 2, line 14, delete "438/108" and insert - - 438/108 / 438/121 - -, therefor.

On the face page, in field (56), under "U.S. Patent Documents", in column 2, line 20, delete "Dibene et al." and insert - - Dibene, II, et al. - -, therefor.

On the face page, in field (56), under "U.S. Patent Documents", in column 2, line 21, delete "Dibene et al." and insert - - Dibene, II, et al. - -, therefor.

On the face page, in field (56), under "U.S. Patent Documents", in column 2, line 22, delete "6,599,779 B1" and insert - - 6,599,779 B2 - -, therefor.

On the face page, in field (56), under "Other Publications", in column 2, line 2, after "(1992)" insert - - , - - .

In column 10, line 28, in Claim 1, delete "Inegrated" and insert - - Integrated - -, therefor.

In column 10, line 43, in Claim 4, delete "Inegrated" and insert - - Integrated - -, therefor.

In column 11, line 24, in Claim 16, delete "xircuit" and insert - - circuit - -, therefor.

MAILING ADDRESS OF SENDER:

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Minneapolis, MN 55402

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